

Application No. 09/551,332

response thereto, the motor control processor including a position register, the register storing a calculated actual extent of motor movement; and

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a command processor operatively connected to the motor portions, the command processor receiving an input corresponding to a position of a desired viewing object, the command processor further receiving an input corresponding to present position of the telescope, the command processor calculating a rotational movement about each of the respective axes to move the telescope from its present position to the position of the desired viewing object and outputting a corresponding motor movement command to each respective motor control processor;

wherein each motor control processor translates received motor movement commands into motor control commands, each motor control processor commanding motor movement and receiving encoder signals corresponding to actual motor movement, each motor control processor providing its register contents to the command processor, the command processor translating the register contents into telescope angular displacement about the corresponding axis to calculate thereby a present telescope position, the motor control processor processing received encoder signals to calculate an actual extent of motor movement.

REMARKS

Initially applicants wish to thank the Examiner for the telephonic interview of July 9, 2001, in which the Examiner indicated that there was patentable subject matter in the claims of the present application. Agreement was reached as to how the claims should be amended, in order to allow the application to proceed to a Notice of Allowance.

In response, applicant has cancelled claims 55, 62, 70, 80 and 89-96, and amended claims 54, 56, 59, 61, 63, 66, 69, 71, 74 and 77, in order to more particularly point out the features of the present invention.

Applicants have presented the amended claims, above, in a form which identifies material added (underlined) and deleted (in brackets). In addition, applicants submit herewith a clean copy of claims 54, 56-61, 63-69, 71-79 and 81-88, on separate sheets.

In view of the foregoing, applicants respectfully submit that the application is in condition for allowance and respectfully solicit early notification of same.